

1  
2 **In the Claims**

3 Claims 66-68 are cancelled and claim 69 is amended.

4 Claims 1-65 and 69-76 remain in the application and are listed below.

5  
6 1. (Previously Presented) A method of processing media content  
7 comprising:

8 receiving a physical ID that corresponds to a specific media upon which  
9 content resides that can be experienced by a user;

10 mapping the physical ID to a logical ID; and

11 searching a database that contains metadata associated with the specific  
12 media by using the logical ID as a basis for a search query, wherein different  
13 instances of a specific media with the same content thereon are associated with  
14 different physical IDs that are mappable to the same logical ID.

15  
16 2. (Original) The method of claim 1 further comprising returning the  
17 metadata to a client.

18  
19 3. (Original) The method of claim 1 further comprising formatting the  
20 metadata in a schema and returning the formatted metadata to a client.

21  
22 4. (Original) The method of claim 1 further comprising formatting the  
23 metadata in a XML schema and returning the formatted metadata to a client.  
24  
25

1           5.     (Original) The method of claim 1, wherein the specific media  
2 comprises a CD.

3  
4           6.     (Original) The method of claim 1, wherein the specific media  
5 comprises a DVD.

6  
7           7.     (Original) One or more computer-readable media having computer-  
8 readable instructions thereon which, when executed by a computer, cause the  
9 computer to implement the method of claim 1.

10  
11          8.     (Previously Presented) A server comprising:  
12               one or more processors;  
13               one or more storage devices; and  
14               software code resident on the one or more storage devices which, when  
15 executed by the one or more processors, cause the processors to:  
16               receive a physical ID that corresponds to a specific media upon which  
17 content resides that can be experienced by a user;  
18               map the physical ID to a logical ID;  
19               search a database that contains metadata associated with the specific media  
20 by using the logical ID as a basis for a search query;  
21               format the metadata in a XML schema; and  
22               return the formatted metadata to a client, wherein different instances of a  
23 specific media with the same content thereon are associated with different physical  
24 IDs that are mappable to the same logical ID.

1           9. (Previously Presented) One or more computer-readable media  
2 having computer-readable instructions thereon which, when executed by a  
3 computer, cause the computer to:

4           receive a physical ID that corresponds to a specific media upon which  
5 content resides that can be experienced by a user;

6           map the physical ID to a logical ID;

7           search a database that contains metadata associated with the specific media  
8 by using the logical ID as a basis for a search query;

9           format the metadata in a XML schema; and

10          return the formatted metadata to a client, wherein different instances of a  
11 specific media with the same content thereon are associated with different physical  
12 IDs that are mappable to the same logical ID.

13  
14          10. (Previously Presented) A method of processing media content  
15 comprising:

16          associating a physical ID with a logical ID, the physical ID corresponding  
17 to a specific media associated with content that can be experienced by a user;

18          using the logical ID to query one or more databases that contain metadata  
19 associated with the specific media; and

20          returning metadata associated with the specific media to a client, wherein  
21 different instances of a specific media with the same content thereon are  
22 associated with different physical IDs that are mappable to the same logical ID.

23  
24          11. (Original) The method of claim 10, wherein said returning comprises  
25 returning the metadata via the Internet.

1  
2 12. (Original) The method of claim 10, wherein said returning comprises  
3 formatting the metadata in a schema and returning the formatted metadata to the  
4 client.

5  
6 13. (Original) The method of claim 10, wherein said returning comprises  
7 formatting the metadata in a XML schema and returning the formatted metadata to  
8 the client.

9  
10 14. (Original) The method of claim 10, wherein the specific media  
11 comprises a CD.

12  
13 15. (Original) The method of claim 10, wherein the specific media  
14 comprises a DVD.

15  
16 16. (Original) The method of claim 10, wherein the specific media  
17 comprises a file.

18  
19 17. (Original) One or more computer-readable media having computer-  
20 readable instructions thereon which, when executed by a computer, cause the  
21 computer to implement the method of claim 10.

22  
23 18. (Original) A server computer programmed with instructions which,  
24 when executed by the server computer, cause it to implement the method of claim  
25 10.

1  
2 19. (Previously Presented) A method of processing media content  
3 comprising:

4 receiving a physical ID that corresponds to a specific media associated with  
5 content that can be experienced by a user;

6 attempting to map the physical ID to a logical ID;

7 if a logical ID is found that corresponds to the physical ID, searching a  
8 database that contains metadata associated with the specific media by using the  
9 logical ID as a basis for a search query;

10 if no logical ID is found that corresponds to the physical ID, attempting to  
11 establish a logical ID for the physical ID, wherein different instances of a specific  
12 media with the same content thereon are associated with different physical IDs  
13 that are mappable to the same logical ID.

14  
15 20. (Original) The method of claim 19, wherein said attempting  
16 comprises causing a Wizard user interface (UI) to be presented to a user via a  
17 client computer so that information pertaining to the user's specific media can be  
18 collected from the user.

19  
20 21. (Original) The method of claim 19, wherein said attempting  
21 comprises attempting to identify the specific media to ascertain whether a logical  
22 ID already exists for the specific media.

1           22. (Original) The method of claim 19 further comprising if said  
2 attempting is unsuccessful, enabling the user to establish a physical ID-to-logical  
3 ID mapping for their physical ID.

4  
5           23. (Original) The method of claim 19, wherein said specific media  
6 comprises a CD.

7  
8           24. (Original) The method of claim 19, wherein said specific media  
9 comprises a DVD.

10  
11           25. (Original) The method of claim 19, wherein said specific media  
12 comprises a file.

13  
14           26. (Original) One or more computer-readable media having computer-  
15 readable instructions thereon which, when executed by a computer, cause the  
16 computer to implement the method of claim 19.

17  
18           27. (Previously Presented) A server computer comprising:  
19 one or more processors;  
20 one or more storage devices; and  
21 software code resident on the one or more storage devices which, when  
22 executed by the one or more processors, cause the processors to:  
23           receive a physical ID that corresponds to a specific media upon  
24 which content resides that can be experienced by a user;  
25           attempt to map the physical ID to a logical ID;

1 if a logical ID is found that corresponds to the physical ID, search a  
2 database that contains metadata associated with the specific media by using  
3 the logical ID as a basis for a search query; and

4 if no logical ID is found that corresponds to the physical ID, attempt  
5 to establish a logical ID for the physical ID, wherein different instances of a  
6 specific media with the same content thereon are associated with different  
7 physical IDs that are mappable to the same logical ID.

8  
9 28. (Original) The server computer of claim 27, wherein the software  
10 code causes the processors to attempt to establish a logical ID for the physical ID  
11 by causing a Wizard user interface (UI) to be presented to a user via a client  
12 computer so that information pertaining to the user's specific media can be  
13 collected from the user.

14  
15 29. (Previously Presented) A method of processing media content  
16 comprising:

17 receiving a physical ID that corresponds to a specific media upon which  
18 content resides that can be experienced by a user;

19 attempting to map the physical ID to a logical ID by searching a first table  
20 containing physical ID-to-logical ID mappings using a first search;

21 if the first search is unsuccessful, searching a second table containing  
22 physical ID-to-logical ID mappings using a second search; and

23 if a logical ID is found that corresponds to the physical ID, searching a  
24 database that contains metadata associated with the specific media by using the  
25 logical ID as a basis for a search query, wherein different instances of a specific

1 media with the same content thereon are associated with different physical IDs  
2 that are mappable to the same logical ID.

3  
4 30. (Original) The method of claim 29, wherein the first table is a trusted  
5 table.

6  
7 31. (Original) The method of claim 29, wherein the first table is a trusted  
8 table and the second table is less trusted than the first table.

9  
10 32. (Original) The method of claim 29, wherein the second table  
11 contains user-provided physical ID-to-logical ID mappings.

12  
13 33. (Original) The method of claim 29, wherein the first search  
14 comprises a low cost search, and further comprising if no logical ID is found for  
15 the physical ID, searching the first table using a third search, the third search  
16 comprising a higher cost search than the first search.

17  
18 34. (Original) One or more computer-readable media having computer-  
19 readable instructions thereon which, when executed by a computer, cause the  
20 computer to implement the method of claim 29.

21  
22 35. (Previously Presented) One or more computer-readable media  
23 having computer-readable instructions thereon which, when executed by a  
24 computer, cause the computer to:  
25



1 receive a physical ID that corresponds to a specific media upon which  
2 content resides that can be experienced by a user;

3 attempt to map the physical ID to a logical ID by searching a first table  
4 containing physical ID-to-logical ID mappings using a first search, the first search  
5 comprising a low cost search;

6 if the first search is unsuccessful, search a second table containing physical  
7 ID-to-logical ID mappings using a second search;

8 if the second search is unsuccessful, search the first table using a third  
9 search, the third search comprising a higher cost search than the first search; and

10 if a logical ID is found that corresponds to the physical ID, search a  
11 database that contains metadata associated with the specific media by using the  
12 logical ID as a basis for a search query, wherein different instances of a specific  
13 media with the same content thereon are associated with different physical IDs  
14 that are mappable to the same logical ID.

15  
16 36. (Previously Presented) A method of processing media content  
17 comprising:

18 providing a canonical table containing physical ID to logical ID mappings,  
19 the physical IDs being associated with specific media containing content that can  
20 be experienced by a user, the logical IDs being configured for use in database  
21 queries to locate metadata associated with specific media;

22 providing a table containing user-provided physical ID to logical ID  
23 mappings;

24 receiving a physical ID associated with a specific media;  
25

1 conducting a first low cost search of the canonical table to determine  
2 whether there is a matching physical ID with a corresponding logical ID;

3 if the first low cost search is unsuccessful, conducting a second low cost  
4 search of the table containing the user-provided physical ID to logical ID  
5 mappings to determine whether there is a matching physical ID with a  
6 corresponding logical ID;

7 if the second low cost search is unsuccessful, conducting a third higher cost  
8 search of the canonical table to determine whether there is a matching physical ID  
9 with a corresponding logical ID; and

10 if any of the searches are successful, using the corresponding logical ID to  
11 search a database containing metadata associated with the specific media, wherein  
12 different instances of a specific media with the same content thereon are  
13 associated with different physical IDs that are mappable to the same logical ID.

14  
15 37. (Original) The method of claim 36, wherein the specific media  
16 comprises CDs.

17  
18 38. (Original) The method of claim 36, wherein the specific media  
19 comprises DVDs.

20  
21 39. (Previously Presented) A method of processing media content  
22 comprising:

23 receiving a physical ID that corresponds to a specific media upon which  
24 content resides that can be experienced by a user;

1 attempting to map the physical ID to a logical ID, the logical ID serving as  
2 a basis for a search query of a database that contains metadata associated with the  
3 specific media;

4 if no logical ID is found that corresponds to the physical ID, attempting to  
5 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
6 to be presented to a user via a client computer so that information pertaining to the  
7 user's specific media can be collected from the user, wherein different instances of  
8 a specific media with the same content thereon are associated with different  
9 physical IDs that are mappable to the same logical ID.

10  
11 40. (Original) The method of claim 39 further comprising receiving  
12 information from the user, via the Wizard UI, the information pertaining to the  
13 user's specific media.

14  
15 41. (Original) The method of claim 39, wherein the specific media  
16 comprises a CD, and the information collected by the Wizard UI comprises an  
17 artist's name.

18  
19 42. (Original) The method of claim 39, wherein the specific media  
20 comprises a CD, and the information collected by the Wizard UI comprises a CD  
21 title.

22  
23 43. (Original) The method of claim 39, wherein the specific media  
24 comprises a DVD.  
25

1           44. (Original) The method of claim 39 further comprising searching for  
2 specific media based on the information collected by the Wizard UI.

3  
4           45. (Original) The method of claim 44 further comprising forming an  
5 association between the received physical ID and a logical ID if said searching  
6 finds media that coincides with the user's information.

7  
8           46. (Original) The method of claim 44 further comprising if said  
9 searching is unsuccessful, prompting the user to enter media-specific information  
10 so that an association can be established between the media and a logical ID.

11  
12           47. (Previously Presented) One or more computer-readable media  
13 having computer-readable instructions thereon which, when executed by a  
14 computer, cause the computer to:

15           receive a physical ID that corresponds to a specific media upon which  
16 content resides that can be experienced by a user;

17           attempt to map the physical ID to a logical ID, the logical ID serving as a  
18 basis for a search query of a database that contains metadata associated with the  
19 specific media;

20           if no logical ID is found that corresponds to the physical ID, attempt to  
21 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
22 to be presented to a user via a client computer so that information pertaining to the  
23 user's specific media can be collected from the user, wherein different instances of  
24 a specific media with the same content thereon are associated with different  
25 physical IDs that are mappable to the same logical ID.

1  
2 48. (Previously Presented) A system for providing metadata to clients  
3 comprising:

4 a server configured to receive physical IDs that correspond to a specific  
5 media upon which content resides that can be experienced by a user;

6 one or more databases containing metadata associated with various media;  
7 and

8 at least one table containing physical IDs and associated logical IDs to  
9 which the physical IDs are mapped, the logical IDs being configured for use by  
10 the server in searching the one or more databases for metadata associated with  
11 specific media, wherein different instances of a specific media with the same  
12 content thereon are associated with different physical IDs that are mappable to the  
13 same logical ID.

14  
15 49. (Original) The system of claim 48, wherein the server is configured  
16 to format metadata in a schema and return the formatted metadata to a client.

17  
18 50. (Original) The system of claim 48, wherein the server is configured  
19 to format metadata in a XML schema and return the formatted metadata to a  
20 client.

21  
22 51. (Previously Presented) A system for providing metadata to clients  
23 comprising:

24 a canonical table comprising multiple physical IDs associated with specific  
25 media containing content that can be experienced by a user;

multiple logical IDs associated with the multiple physical IDs;  
individual physical IDs being mapped to individual logical IDs; and  
the logical IDs being configured for use in database queries to locate  
metadata associated with specific media, wherein different instances of a specific  
media with the same content thereon are associated with different physical IDs  
that are mappable to the same logical ID.

52. (Original) The system of claim 51 further comprising at least one  
other table containing multiple physical IDs and multiple logical IDs, individual  
physical IDs being mapped to individual logical IDs.

53. (Original) The system of claim 52, wherein the canonical table is  
trusted.

54. (Original) The system of claim 52, wherein the canonical table is  
trusted, and the at least one other table is less trusted.

55. (Original) The system of claim 52, wherein the at least one other  
table comprise user-provided mappings.

56. (Previously Presented) A method of processing media content  
comprising:

receiving a physical ID that corresponds to a specific CD upon which  
content resides that can be experienced by a user;

mapping the physical ID to a logical ID;

1 searching a database that contains metadata associated with the CD by  
2 using the logical ID as a basis for a search query;  
3 formatting the metadata in a XML schema; and  
4 returning the formatted metadata to a client, wherein different instances of a  
5 specific CD with the same content thereon are associated with different physical  
6 IDs that are mappable to the same logical ID.

7  
8 57. (Original) The method of claim 56, wherein the XML schema  
9 comprises tags associated with one or more of: a CD name, author, release date,  
10 genre, style, rating and label.

11  
12 58. (Original) The method of claim 56, wherein the XML schema  
13 comprises at least one tag associated with a URL associated with data pertaining  
14 to the CD.

15  
16 59. (Original) The method of claim 56, wherein the XML schema  
17 comprises at least one tag associated with a URL associated with data pertaining  
18 to cover art for the CD.

19  
20 60. (Original) The method of claim 56, wherein the XML schema  
21 comprises at least one tag associated with a URL associated with data pertaining  
22 to a purchasing experience.

23  
24 61. (Previously Presented) A method of processing media content  
25 comprising:

1 receiving a physical ID that corresponds to a specific DVD upon which  
2 content resides that can be experienced by a user;  
3 mapping the physical ID to a logical ID;  
4 searching a database that contains metadata associated with the DVD by  
5 using the logical ID as a basis for a search query;  
6 formatting the metadata in a XML schema; and  
7 returning the formatted metadata to a client, wherein different instances of a  
8 specific DVD with the same content thereon are associated with different physical  
9 IDs that are mappable to the same logical ID.

10  
11 62. (Original) The method of claim 61, wherein the XML schema  
12 comprises tags associated with one or more of: a title, studio, lead performer,  
13 director, rating, and genre.

14  
15 63. (Original) An XML schema comprising:  
16 a name tag associated with a CD name;  
17 an author tag associated with a CD author;  
18 a track tag associated with a CD track;  
19 at least one URL tag referencing a link to additional information pertaining  
20 to the CD; and  
21 the schema being configured for use in sending metadata associated with a  
22 CD to client computer for display for a user.



1           64. (Original) The XML schema of claim 63, wherein said link  
2 comprises a purchasing link to enable a user to make purchases associated with the  
3 CD via a network.

4  
5           65. (Original) The XML schema of claim 63, wherein said link  
6 comprises a cover art link to enable a user to obtain cover art associated with the  
7 CD via a network.

8  
9           66-68. (Cancelled)

10  
11           69. (Currently Amended) A method of processing media content  
12 comprising:

13           generating a physical ID that corresponds to a specific media upon which  
14 content resides that can be experienced by a user on a client computer, wherein  
15 different instances of the specific media with the same content thereon are  
16 associated with different physical IDs that are mappable to a same logical ID;

17           sending the physical ID to a server configured to return metadata associated  
18 with the specific media;

19           receiving, from the server, XML-formatted metadata;

20           parsing, with the client computer, the XML-formatted metadata; and

21           displaying the metadata for the user on the client computer.

22  
23           70. (Original) The method of claim 69, wherein the specific media  
24 comprises a CD.

1 71. (Original) The method of claim 69, wherein the specific media  
2 comprises a DVD.

3  
4 72. (Original) A method of providing metadata to a client comprising:  
5 establishing a table that contains user-provided entries that map physical  
6 IDs to logical IDs, the physical IDs corresponding to specific media upon which  
7 content resides that can be experienced by various users, the logical IDs being  
8 configured for use in querying one or more databases that contain metadata  
9 associated with the specific media, the metadata being returnable to a client;  
10 statistically evaluating the entries to determine, for each physical ID, a most  
11 likely logical ID match; and  
12 making the most likely logical ID match available so that it can be used to  
13 query the one or more databases.

14  
15 73. (Original) The method of claim 72, wherein said making comprises  
16 providing the logical ID into a trusted table of physical ID-to-logical ID mappings.

17  
18 74. (Original) A method of providing metadata to a client comprising:  
19 providing a table containing user-provided entries that map physical IDs to  
20 logical IDs, the physical IDs corresponding to specific media upon which content  
21 resides that can be experienced by various users, the logical IDs being configured  
22 for use in querying one or more databases that contain metadata associated with  
23 the specific media, the metadata being returnable to a client;  
24 computing, from the table, a list of physical IDs that are to be statistically  
25 evaluated;

1 for each listed physical ID, ascertaining the logical IDs that have been  
2 associated with it by users;

3 computing a distribution of logical IDs for a given physical ID, the  
4 distribution describing, for each logical ID, the number of times the physical ID  
5 has been mapped thereto;

6 adding to the distribution, an entry that corresponds to a current trusted  
7 logical ID mapping;

8 weighting the added entry; and

9 computing, from the distribution, a most likely physical ID to logical ID  
10 match.

11  
12 75. (Original) The method of claim 74 further comprising updating a  
13 canonical table of trusted mappings with the most likely physical ID to logical ID  
14 match.

15  
16 76. (Original) The method of claim 74, wherein said computing a most  
17 likely physical ID to logical ID match comprises:

18 computing a distribution count that sums the total number of times a  
19 physical ID has been mapped to a logical ID;

20 calculating, for each logical ID, a percentage as a function of the summed  
21 distribution count; and

22 selecting a logical ID that has a percentage that meets predefined criteria.  
23  
24  
25